



# Building the Naval S&T Digital Library

## **Interlaboratory Committee on Editing and Publishing (ILCEP) meeting**

April 22, 2003 - White Sands, NM

R. James King

Ruth H. Hooker Research  
Library

U.S. Naval Research  
Laboratory

# Outline

- About NRL and the NRL Library
- Components of the NRL Digital Library
- Expansion Beyond NRL
  - Naval Knowledge Network
- The Future...



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# The Navy and Marine Corps' Corporate Research Facility

## Main Campus - Washington, D.C.

3,000 Federal Employees [1,500 Scientists & Engineers]

1,000 On-site contractors

130-acre Campus 116 Buildings

## Subject Focus

Physics, Chemistry, Electronics, Space Sciences

## Remote Campuses

Stennis, MS, Monterey, CA, and Office of Naval Research

## Library Stats

50k books, 1.5M reports, 150k journal issues, 2,600 online journals

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# NRL Library Vision

*We will provide stellar customer service to the Naval research community.*



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# Evolution of the NRL Hybrid Library

1989 Prototype Research Reports Imaging System

1992 InfoNet Campus-wide Information System

1994 Library Web site created

1995 TORPEDO introduced

1996 Contents-to-Go e-mail alerts introduced  
Web-based Library Catalog released

1997 All InfoNet resources migrated to Web  
Web of Science released to NRLA members

2001 TORPEDO *Ultra* v2 and InfoWeb v2



# Components of NRL Digital Library

- InfoWeb Web Site
- TORPEDO *Ultra*
- ISI's Web of Science
- Sirsi Unicorn Library Catalog
- NRL Master Journal Database / Linking



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# InfoWeb Web Site

- Database-driven site
- 2,500+ online journals
- 100+ databases
- Thousands of web links

**Ruth H. Hooker Research Library**

**InfoWeb**  
Linking Users with Information

Mon., 03-Feb-03 [hide menu](#)

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 **Naval Research Laboratory**  
Washington, DC

**InfoWeb**  
Linking Users with Information

[Find a Book](#)
[Find a Journal](#)
[Conference Proceedings](#)
[Technical Reports](#)
[Find News](#)

Welcome to **InfoWeb**, the Naval Research Laboratory's Online Gateway to scientific and technical information, developed and maintained by the Ruth H. Hooker Research Library.



**Library Users Appreciation Day & Web Roast!**  
Thursday, February 13, 2003  
Library: Bldg 43, Rm 300, 10 am - 2 pm

Turn up the **heat** So the Library web site **SIZZLES!**

We want to thank our patrons - and give them a chance to let us know what they think about our web pages! So join us at the Library on the 13th for lots of good food, a raffle, and vendor give-aways. At noon we'll have a demonstration of the Library's "@ Your Desktop" services and some especially good "roasted" treats.








**Ruth H. Hooker Research Library**  
4555 Overlook Ave., SW - Washington, DC 20375 - (202) 767-READ (7323)

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question / suggestion: [webmaster@library.nrl.navy.mil](mailto:webmaster@library.nrl.navy.mil)



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# TORPEDO *Ultra* v2

Integrated Browse  
and Search

Concept Searching

IP authentication  
down to the  
issue

Integrated citation  
linking

Ability to load  
thousands of  
titles

**TORPEDO**  
Digital Library Initiative *Ultra*

Naval Research Laboratory  
Ruth H. Hooker Research Library

Home About Requirements Feedback Statistics Restrictions Help

**Search**

Select search area: ☒ Everything ☐ Selected Items  
☐ The Browse Section

Doc. Title:

Author(s):

Full Text:

Pub. Date: from: Jan 1 1874 to: Dec 31 2003

Search Clear [Advanced Options]

**Browse**

[Collections]

- Journals (1,316)
- Press Releases
- Reprints
- Technical Reports

Security Notice

Welcome

Welcome to TORPEDO *Ultra*! Mouseovers and online help explain the various features available for searching (left) and browsing (below left).

**Announcements**

- 10/1/01: TORPEDO *Ultra* beta release
- 05/02/02: TORPEDO *Ultra* wins Portal Excellence Award
- 10/02/02: TORPEDO *Ultra* wins Best Practices Award

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# Sources of TORPEDO *Ultra* Content

- Agency publications
  - NRL tech reports and press releases
- Data licensed from publishers
  - Journals (AIP, APS, Elsevier, IEEE/IEE, IoP, Kluwer)
  - Conference proceedings
  - Standards
- In-house digitizing projects
  - Cooperative efforts with AIP, APS, OSA



# Recent TORPEDO *Ultra* Awards



Naval Research Lab  
Library and Convera  
(October 2002)



DCI Portal Excellence  
Award for Content  
Management – Naval  
Research Lab Library and  
Convera (June 2002)



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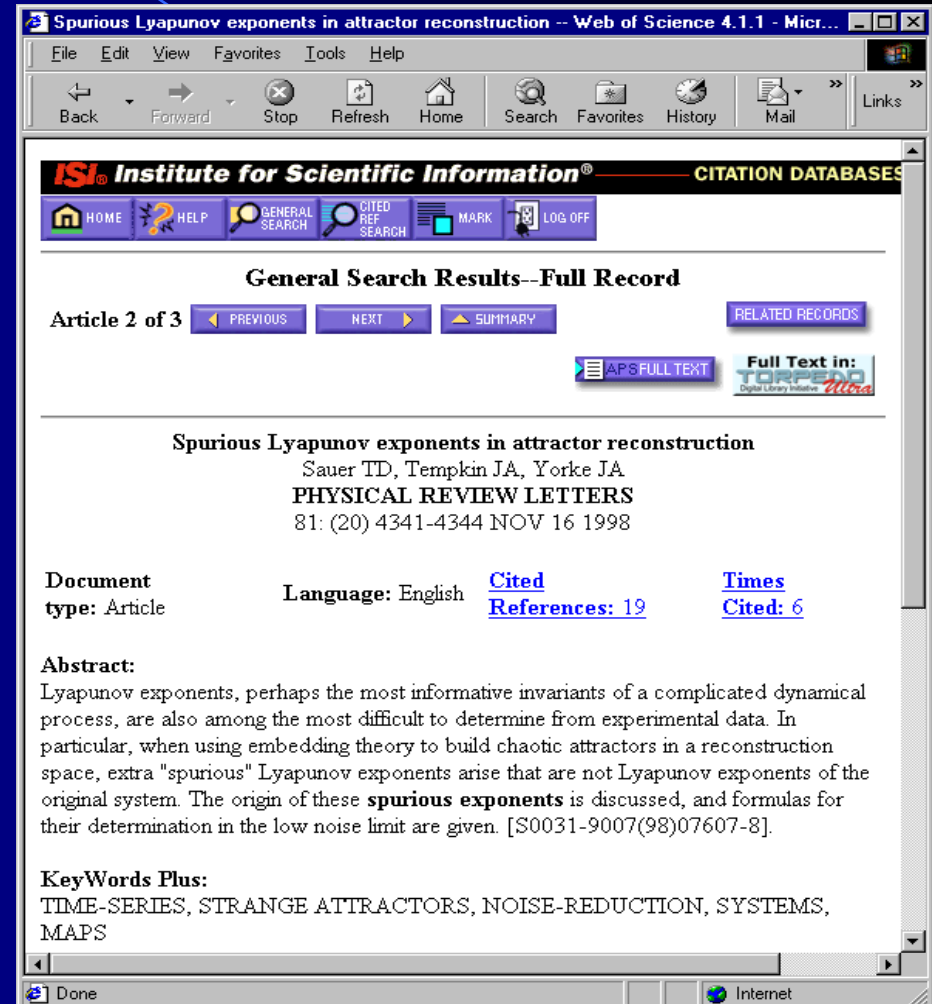
# Reasons for Hosting Locally

- Reduce delays from slow sites
- Provide one search/browse interface
- Integrate information from many sources
- Content-enable traditional library search tools
- Ensure permanent access to archive
- Customize to meet specialized user needs
- Serve as an internal DoD content provider



# ISI Web of Science

- Science Citation Index (1945-present)
- Social Science Citation Index (1956-present)
- Conference Proceedings (1990-present)
- Links to full text locally or on web sites



# Sirsi Unicorn @ NRL

- 100,000 records
- Links to full content of journals and reports
- eBook records being added for Safari, Books24x7 and Knovel

CATALOG USER SERVICES NEW BOOKS NRL PUBLICATIONS REGISTER HERE ILL FORM

GO BACK HELP REQUEST HOLDS PREFS EXIT

Search the Library Catalog

QUICK SEARCH COMPLEX SEARCH CALL NO. BROWSE

☒ Keyword ☐ Browse ☐ Exact

library: ALL

SEARCH EVERYTHING AUTHOR TITLE SUBJECT SERIES PERIODICAL TITLE

1. Enter the word(s) you want to find.  
Keyword returns records *containing* the word(s) entered.  
Browse returns catalog headings *beginning* with the first word entered.  
Exact returns records that *exactly* match the word(s) entered.

2. Choose a target search field.  
Search Everything targets all indexed fields within a record.  
All other choices target specified fields within a record.

NRL Library Catalog  
**WebCat®**  
a product by SIRSI  
Copyright © 1995 - 2000  
Sirsi Corporation

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# NRL Master Journal Database

- Core journal info:
  - Title(s) and subject(s)
  - Formats and holdings
  - Full content links
- Current and planned uses:
  - Source/engine of eJournal pages on Web
  - Administration of journal subscriptions
  - Navy-wide union catalog of journals
  - Foundation for linking services





# Navy Journal Information Management System (N-JIMS)

- Web-based, dynamic union catalog of journal information
- Expands service to be comprehensive
- Simplify inter-organizational data sharing
- Provides linking services





# Naval Knowledge Network Plans

- Expansion of existing NRL products/services
  - Web site with Navy Library Directory
  - N-JIMS and TORPEDO *Ultra*
  - Table of Contents Alerting Services
- Integration of various applications
  - Single search, intelligent linking, etc.
  - Web-based Subject Bibliography
  - N/MCI compliant Library Catalog



# For More Information...

## **NRL Library Home Page**

<http://infoweb2.nrl.navy.mil/>

## **TORPEDO *Ultra* v.2**

<http://torpedo.nrl.navy.mil/>

**James.King@nrl.navy.mil**



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